

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-6 (Cancelled).

Claim 7 (New): An opposite end surface truing device for truing grinding surfaces at opposite ends of a grinding wheel with an opposite end surface truing tool by effecting relative movements between the grinding wheel and the opposite end surface truing tool being rotated respectively, in a first direction and a second direction transverse thereto, wherein the opposite end surface truing tool comprises:

a disc-like base supported to be rotatable about a rotational axis thereof,

a first end surface truing section composed of a cylindrical first base body which protrudes bodily from a circumferential portion at one end surface of the disc-like base coaxially with the rotational axis of the same and a first abrasive grain layer in which numerous diamond abrasive grains are adhered with bond material to an external surface of the first base body, and

a second end surface truing section composed of a cylindrical second base body which protrudes bodily from a circumferential portion at the other end surface of the base coaxially with the rotational axis and a second abrasive grain layer in which numerous diamond abrasive grains are adhered with bond material to an internal surface of the second base body, and

wherein the rotational axis of the opposite end surface truing tool is inclined relative to the rotational axis of the grinding wheel within almost the same plane at a predetermined inclination angle.

Claim 8 (New): An opposite end surface truing tool for truing grinding surfaces at opposite ends of a rotating grinding wheel, the truing tool comprising:

a disc-like base supported to be rotatable about a rotational axis thereof, and cylindrical first and second end surface truing sections secured coaxially on circumferential portions at opposite end surfaces of the disc-like base for truing the grinding surfaces at opposite ends of the grinding wheel,

wherein the first end surface truing section is composed of a cylindrical first base body which protrudes bodily from a circumferential portion at one end surface of the disc-like base coaxially with the rotational axis of the same and a first abrasive grain layer in which numerous diamond abrasive grains are adhered with bond material to an external surface of the first base body, and

wherein the second end surface truing section is composed of a cylindrical second base body which protrudes bodily from a circumferential portion at the other end surface of the base coaxially with the rotational axis and a second abrasive grain layer in which numerous diamond abrasive grains are adhered with bond material to an internal surface of the second base body.

Claim 9 (New): The opposite end surface truing tool as set forth in Claim 8, wherein each of the abrasive grain layers has a single layer of the diamond abrasive grains.

Claim 10 (New): The opposite end surface truing tool as set forth in Claim 8, wherein each of the abrasive grain layers has plural layers of the diamond abrasive grains.

Claim 11 (New): The opposite end surface truing tool as set forth in Claim 8, wherein the bond material is a brazing material having a strong affinity for diamond and wherein a plurality of pores are formed in the brazing material.

Claim 12 (New): The opposite end surface truing tool as set forth in Claims 8, further comprising:

a disc-like circumferential surface truing section coaxially provided on the external surface of the base for truing a circumferential surface of the grinding wheel, the disc-like circumferential surface truing section being composed of:

a disc-like third base body protruding bodily from the external surface of the base in a radial direction, and

a third abrasive grain layer formed on one end surface of the third base body and having numerous diamond abrasive grains adhered with bond material to said one end surface of the third base body.

Claim 13 (New): The opposite end surface truing tool as set forth in Claims 12, wherein the third base body takes a cone shape having an oblique surface which is inclined relative to the rotational axis of the base.

Claim 14 (New): The opposite end surface truing tool as set forth in Claims 13, wherein the half vertex angle of the cone shape which is made with the rotational axis of the base is eighty two degrees.

Claim 15 (New): An opposite end surface truing method for truing grinding surfaces at opposite ends of a grinding wheel with the opposite end surface truing device as set forth in Claim 7, the method comprising the steps of:

rotating the opposite end surface truing tool in a first rotational direction,

moving the opposite end surface truing tool toward the rotational axis of the grinding wheel so that the first abrasive grain layer at an end edge of the first end surface truing section trues the grinding surface at one end of the grinding wheel as it goes ahead of the first base body,

rotating the opposite end surface truing tool in a second rotational direction opposite to the first rotational direction,

moving the opposite end surface truing tool toward the rotational axis of the grinding wheel so that the second abrasive grain layer at an end edge of the second end surface truing section trues the grinding surface at the other end of the grinding wheel as it goes ahead of the second base body.

Claim 16 (New): The opposite end surface truing method as set forth in Claim 15, wherein the first and second rotational directions are respectively opposite to, and the same as, the rotational direction of the grinding wheel so that the difference in circumferential speed between the grinding wheel and the opposite end surface truing tool in truing the grinding surface at one end of the grinding wheel is made to be the same as that in circumferential speed therebetween in truing the grinding surface at the other end of the grinding wheel.

Claim 17 (New): An opposite end surface truing method for truing grinding surfaces at opposite ends of a grinding wheel with the opposite end surface truing tool as set forth in Claim 8, the method comprising the steps of:

rotating the opposite end surface truing tool in a first rotational direction,

moving the opposite end surface truing tool toward the rotational axis of the grinding wheel so that the first abrasive grain layer at an end edge of the first end surface truing section trues the grinding surface at one end of the grinding wheel as it goes ahead of the first base body,

rotating the opposite end surface truing tool in a second rotational direction opposite to the first rotational direction,

moving the opposite end surface truing tool toward the rotational axis of the grinding wheel so that the second abrasive grain layer at an end edge of the second end surface truing section trues the grinding surface at the other end of the grinding wheel as it goes ahead of the second base body.

Claim 18 (New): The opposite end surface truing method as set forth in Claim 17, wherein the first and second rotational directions are respectively opposite to, and the same as, the rotational direction of the grinding wheel so that the difference in circumferential speed between the grinding wheel and the opposite end surface truing tool in truing the grinding surface at one end of the grinding wheel is made to be the same as that in circumferential speed therebetween in truing the grinding surface at the other end of the grinding wheel.-